

Maiko00033-D01

DE 19811900 English abstract

Biocompatible composite material useful for making bone or tooth prostheses, for coating metal, ceramic, silicon or polymer implants, or for coating textile fabrics

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Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19811900	A1	19990923	DE 1011900	A	19980318	199947 B
DE 19811900	C2	20031211	DE 1011900	A	19980318	200401

Priority Applications (No Type Date): DE 1011900 A 19980318

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 19811900	A1		6	A61L-027/00	
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DE 19811900	C2			A61L-027/00	
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Abstract (Basic): **DE 19811900 A1**

NOVELTY - Biocompatible composite material comprises one or more

scleroproteins or their hydrolysis products and/or glycosaminoglycans

homogeneously embedded in an inorganic gel.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for

the production of the composite material by preparing a sol by hydrolysis of metal oxides or halides, adding scleroproteins or their

hydrolysis products and/or glycosaminoglycans, and gelling the sol.

ACTIVITY - None given.

MECHANISM OF ACTION - None given.

USE - The material can be used to make bone or tooth prostheses, to

coat metal, ceramic, silicon or polymer implants, or to coat textile

fabrics.

ADVANTAGE - The material promotes deposition of basic calcium phosphate, e.g. in simulated blood fluid.

pp; 6 DwgNo 0/0

Title Terms: BIOCOMPATIBLE; COMPOSITE; MATERIAL; USEFUL; BONE; TOOTH; PROSTHESIS; COATING; METAL; CERAMIC; SILICON; POLYMER; IMPLANT; COATING;

TEXTILE; FABRIC

Derwent Class: A87; A96; B04; D21; D22; F06; G02; P34

International Patent Class (Main): A61L-027/00

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A61L-025/00; A61L-027/22; A61L-027/28; C07K-017/14; C09D-001/00;

C09D-189/00; D06M-011/44; D06M-011/46; D06M-015/15

File Segment: CPI; EngPI